

<u>TS868C08R</u>

FUJI Diode

Schottky Barrier Diode

Maximum Rating and Characteristics

• Maximum ratings (at Ta=25°C unless otherwise specified.)

| Item | Symbols | Conditions | Ratings | Units |
|--|---------|---|--------------|-------|
| Repetitive peak reverse voltage | VRRM | - | 80 | V |
| Average output current | lo | 50Hz square wave duty =1/2 Tc =105°C | 30* | А |
| Non-repetitive forward surge current** | IFSM | Sine wave, 10ms 1shot | 160 | A |
| Operating junction temperature | Tj | - | 150 | °C |
| Storage temperature | Tstg | - | -40 to + 150 | °C |

Note* Out put current of center tap full wave connection.

Note** Rating per element

• Electrical characteristics (at Ta=25°C unless otherwise specified.)

| Item | Symbols | Conditions | Maximum | Units |
|--------------------|----------|----------------------------------|---------|-------|
| Forward voltage*** | VF | I⊧ = 15 A | 0.76 | V |
| Reverse current*** | Ir | V _R =V _{RRM} | 200 | μA |
| Thermal resistance | Rth(j-c) | Junction to case | 1.25 | °C/W |

Note*** Rating per element

Mechanical characteristics

| Item | Conditions | Maximum | Units |
|------------------|------------|---------|-------|
| Approximate mass | - | 1.6 | g |

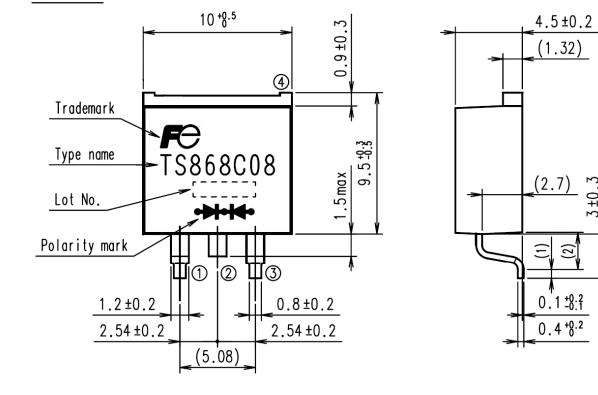
Outline Drawings [mm]

3

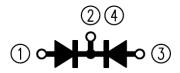
9 +

Σ

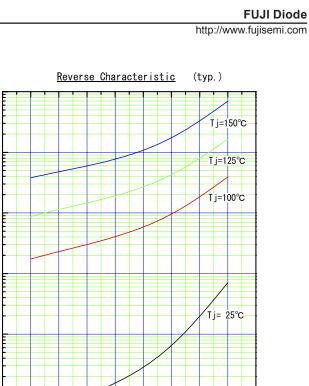
OUT VIEW

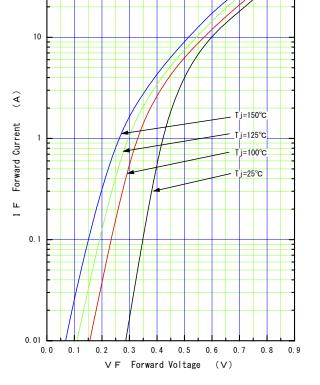


CONNECTION



DIMENSIONS ARE IN MILLIMETERS.





Forward Characteristic

(typ.)

10⁵

10⁴

10³ (**∀ ∀**)

10²

10¹

10[°]

10-1 0

10

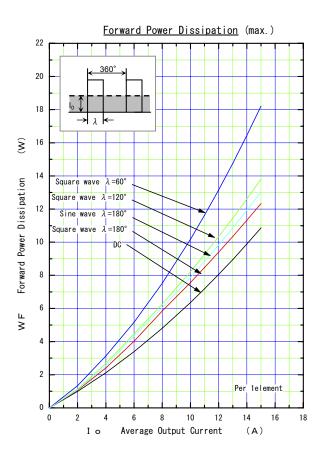
20

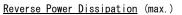
30

VR

40

IR Reverse Current





50

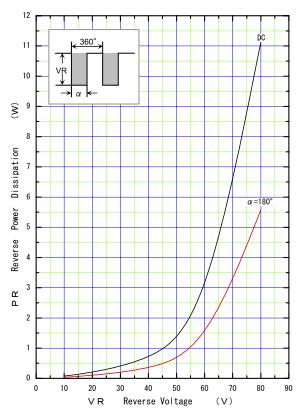
Reverse Voltage

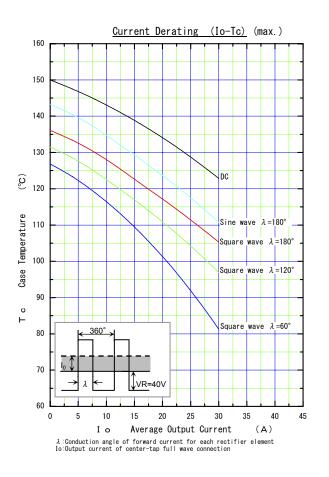
60

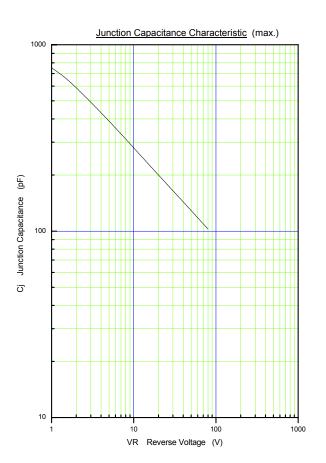
80 90

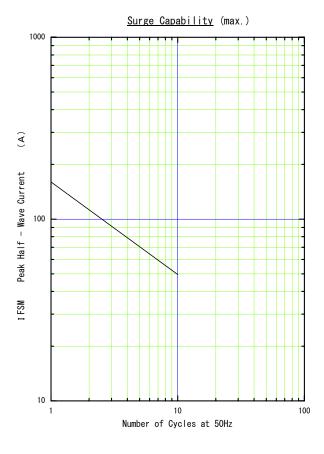
70

(V)

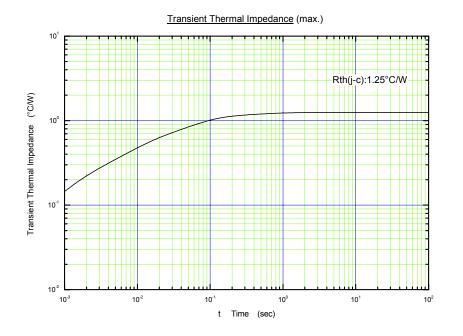












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